TOSHIBA
Leading Innovation

OWNER'S MANUAL

Integrated Digital LCD TV

22AV700A
26AV700A
32AV700A
32CV700A
40CV700A
40RV700A

Owner's Record
You will find the model number and serial number on the back of the TV. Record these numbers in the spaces provided below. Refer to them whenever you call upon your TOSHIBA dealer regarding this product.

Model number:

Serial number:

Trademark of the DVB --- Digital Video Broadcasting Project

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Welcome to Toshiba

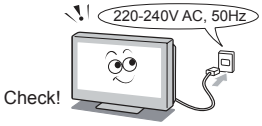
- Thank you for purchasing this Toshiba LCD Colour television. This manual will help you use the exciting features of your new TV.
- Instructions in this manual are based on using the remote control.
- Please read all safety and operating instructions in this manual carefully, and keep this manual for future reference.

Important Safety Instructions

Be sure to observe the following instructions and precautions to ensure safe use of this TV.

Installation

1) **Always connect the power plug to an appropriate electrical outlet equipped with 220-240V, AC 50Hz.**
Never use the TV outside the specified voltage range. It may cause a fire or an electric shock.



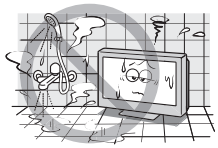
2) **Never insert or remove the power plug with wet hands.**
This may cause an electric shock.

3) **Never place the TV in an unstable location such as on a shaky table, incline or location subject to vibration.**
The TV may drop or fall off which may cause injury or damage.

4) **Never block or cover the slots and openings in the cabinet.**
- Never place the TV so that it is facing upward or on its side.
- Never place the TV in a closet, bookcase or other similar area where the ventilation is poor.
- Never drape a newspaper, tablecloth or curtain on the TV.
- When installing the TV against a wall, always keep the TV at least 10 cm away from the wall.
- Never place the TV on a soft unstable surface, such as a carpet, or a cushion.
- The inside of this TV will overheat if the ventilation holes are covered, blocked or sealed, which may result in a fire.

5) **Never place the TV near a heater or in direct sunlight.**
The surface of the cabinet or power cord may melt and result in a fire or an electric shock.

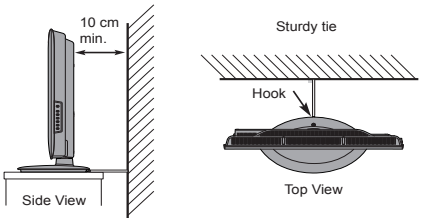
6) **Never place the TV in an area exposed to high humidity levels, such as in a bathroom or close to a humidifier.**
This may cause a fire or an electric shock.



7) **Never place the TV next to a stove where it will be exposed to oil, smoke, or steam, or in a location where there is a large quantity of dust.**
This may cause a fire or an electric shock.

8) Always place the TV on the floor or a sturdy, level, stable surface that can support the weight of the unit.

For 26"/32"/40" model: To secure the TV, use a sturdy strap from the base plate backside hook to a wall stud, pillar, or other firm immovable structure. Make sure the strap is tight, secure, and parallel to the floor.



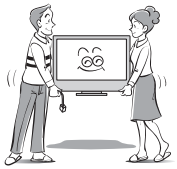
Wall mounting of the TV should only be performed by qualified servicing personnel. Use only with the wall mount bracket specified by the manufacturer.

9) Precautions for moving the TV

When moving the TV, be sure to remove the plug from the wall outlet and disconnect the antenna cable and audio/video cables, any steady ties. Fire or electric shock may result if the power cord is damaged.

When carrying the TV, at least two people are needed. Be sure to carry it upright.

Never carry the TV with the screen facing up or down.



10) Precautions for installing on outdoor antenna

An outside antenna system should not be located in the vicinity of overhead power lines, or other electric light or power circuits.

If the antenna falls down or drops, it may cause injury or electric shock.

Use

1) Never place hot objects or open flame sources, such as lighted candles or nightlights, on or close to the TV.

High temperatures can melt plastic and lead to fires.

2) The apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

When liquids are spilled or small items are dropped inside the TV, this may cause a fire or an electric shock. If small objects drop inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician.

3) Never insert objects (metal or paper) or pour water inside the TV through ventilation holes and other openings.

These items may cause a fire or an electric shock. If these objects are inserted inside the TV, turn off the TV and remove the power plug from the outlet immediately and contact a service technician. Be especially careful that children do not insert objects into the TV.

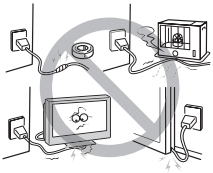
4) Never stand or climb on the TV.

Be especially careful in households with children to prevent them through climbing on top of the TV. It may move, fall over, break, become damaged or cause an injury.

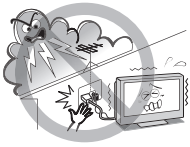
5) **When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet for safety.**
   - The TV is not completely disconnected from the power supply line, as minute current is consumed even when the ⏻ / Power switch is turned off.
   - The Mains plug or an appliance coupler is used as the disconnect device, therefore the disconnect device shall remain readily operable.

6) **Never pull on the power cord when removing the plug from the wall outlet.**
   Always hold the plug firmly when removing it. If the power cord is yanked, the cord may become damaged and a fire or an electric shock may occur.

7) **Never cut, break, modify, twist, bunch up or bend the cord or apply excessive force or tension to it.**
   Never place heavy objects on the cord or allow it to overheat as this may cause damage, a fire or an electric shock. Contact a service technician if the power cord is damaged.



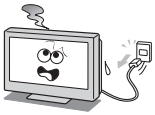
8) **If there is thunder or lightning, never touch the antenna cable or other connected cables.**
   You may suffer an electric shock.



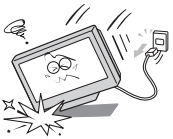
Service

1) **Never repair, modify or disassemble the TV by yourself.**
   It may cause a fire or an electric shock. Consult a service technician for inspection and repairs.

2) **When a malfunction occurs, or if smoke or an unusual odour comes from the TV, turn off the TV and remove the power plug from the outlet immediately.**
   Make sure that the smoke or smell has stopped, then contact a service technician. If the TV is still used in this condition, it may cause a fire or an electric shock.



3) **If the TV is dropped or the cabinet is broken, turn off the TV and remove the power plug from the outlet immediately.**
   If the TV is still power used in this condition, it may cause a fire or an electric shock. If the cabinet is broken, be careful when handling the TV to prevent an injury. Contact a service technician for inspection and repair.



4) **When the TV reaches the end of its useful life, ask a qualified service technician to properly dispose of the TV.**
   NOTE:
   The lamp unit contains a small amount of mercury. Disposal of mercury may be regulated due to environmental considerations.
   Dispose of the used lamp unit by the approved method for your area. For disposal or recycling information, please contact your local authorities.

Cleaning

1) Remove the power plug before cleaning.
Never use solvents such as benzine or thinner to clean the TV.
- These solvents may distort the cabinet or damage its finish.
- If rubber or vinyl products remain in contact with the TV for a long time, a stain may result.

If the cabinet becomes dirty, clean it with a soft, dry cloth.
When cleaning the surface of the LCD display, wipe the panel surface gently with a soft, dry cloth.

2) Periodically disconnect the power plug from the outlet and check it.
If dust has collected on the power plug connectors, clean off the dust with dry cloth.
This dust may cause a fire due to reduced insulation on the plug.

Important information

If a television is not positioned in a sufficiently stable location, it can be potentially hazardous due to falling. Many injuries, particularly to children, can be avoided by taking simple precautions such as:
- Only using furniture that can safely support the television.
- Ensuring the television is not overhanging the edge of the supporting furniture.
- Not placing the television on tall furniture (for example, cupboards or bookcases) without anchoring both the furniture and the television to a suitable support.
- Not standing the televisions on cloth or other materials placed between the television and supporting furniture.
- Educating children about the dangers of climbing on furniture to reach the television or its controls.

1) About LCD screen
- If you have the LCD screen facing to the sun, the LCD screen will be damaged.
- Be aware of locating the TV in the place such as window side or outside of the room.

2) About cabinet and LCD screen
Never spray volatile compounds such as insecticide on the cabinet and LCD screen.
This may cause a discolouration or damage the cabinet and LCD screen.

3) Some pixels of the screen do not light up
The LCD display panel is manufactured using an extremely high level of precision technology, however sometimes some pixels of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

4) About Interference
The LCD display may cause interference in image, sound, etc. of other electronic equipment that receives electromagnetic waves (e.g. AM radios and video equipment).

5) About using under the low temperature places
If you use the TV in the room of 0°C or less, the picture brightness may vary until the LCD monitor warms up. This is not a sign of a malfunction.

6) About afterimage
If a still picture is displayed, an afterimage may remain on the screen, however it will disappear. This is not a sign of malfunction.

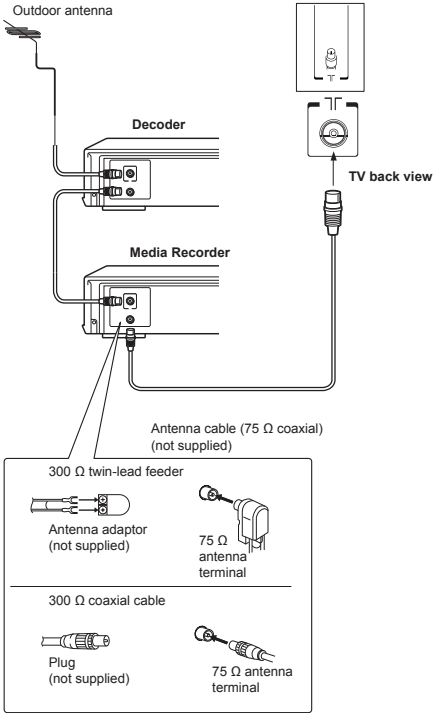
Exemptions

- Toshiba is not liable for any damage caused by fires, natural disaster (such as thunder, earthquake, etc.), acts by third parties, accidents, owner's misuse, or uses in other improper conditions.
- Toshiba is not liable for incidental damages (such as profit loss or interruption in business, modification or erasure of record data, etc.) caused by use or inability to use of product.
- Toshiba is not liable for any damage caused by neglect of the instructions described in the owner's manual.
- Toshiba is not liable for any damage caused by misuse or malfunction through simultaneous use of this product and the connected equipment.

Connecting an antenna

Optimum reception of colour requires a good signal and will generally mean that an outdoor antenna must be used.The exact type and positioning of the antenna will depend upon your particular area.Your Toshiba dealer or service personnel can best advise you on which antenna to use in your area. Before connecting the antenna cable, turn off all main power switches.

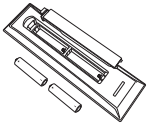
Note: *The antenna input use for both analogue and digital cables.*



Exploring your new TV

Installing the remote control batteries

Remove the battery cover.
Insert two R03 (AAA) batteries matching the –/+ polarities of the battery to the –/+ marks inside the battery compartment.



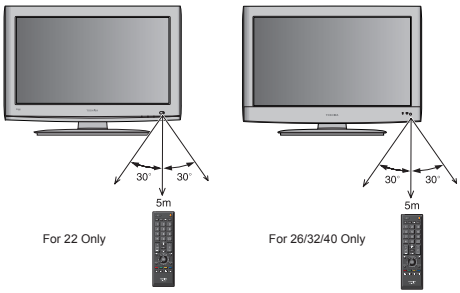
Cautions:

- *Dispose of batteries in a designated disposal area. Never throw batteries into a fire.*
- *Attention should be drawn to the environmental aspects of battery disposal.*
- *Never mix battery types or combine used batteries with new ones.*

Notes:

- *If the remote control does not operate correctly, or if the operating range becomes reduced, replace both batteries with new ones.*
- *If the batteries are dead or if you will not use the remote control for a long time, remove the batteries to prevent battery acid from leaking into the battery compartment.*

Effective range



TV front, control and side panel

- You can operate your TV using the buttons on the TV control panel or the remote control. The back and side of the panel provide the terminal connections to connect other equipment to your TV (☞ "Connecting your TV" page 34).

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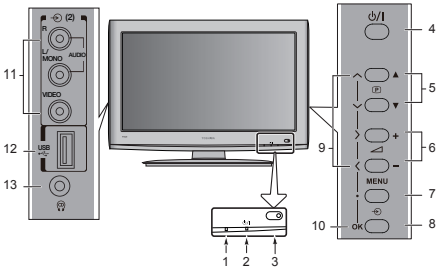

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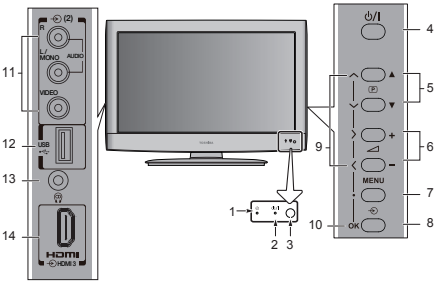

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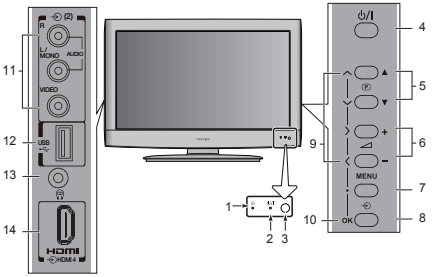

1 **Timer LED —** Green LED: On Timer/EPG Timer On.

2 ⏻ **/ I Power LED —** Red LED: Standby; Green LED: Power On.

3 **Input —** Point the remote control toward this remote sensor (☞ page 7).

4 ⏻ **/ I Power —** Press to turn the TV on/standby. (☞ page 11).

5 P ▲▼ **(Programme position) —** When no menu is on the screen, these buttons select the programme position.

6 ◿ - + **(Volume) —** When no menu is on the screen, these buttons adjust the volume level.

7 **Menu —** Press to access the TV on-screen menu.

8 **Input source selection —** When no menu is on the screen, this button selects the input source.

9 ∧∨〈〉 **(Arrows) —** When a TV menu is on the screen, these buttons function as up/down/left/right menu navigation buttons or adjust settings.

10 **OK —** When a TV menu is on the screen, this button functions as the next menu navigation button.

11 **AV terminal —** Standard (composite) video and standard audio inputs.

12 **USB —** USB port. Connect your USB storage device for multimedia playback. Also served for software upgrade.

13 **Headphone jack —** For use with headphones.
Note: *When the Headphone jack is being used, the sound from all speakers will be muted, and normal sound will be output to the headphones only.*

14 **HDMI —** High quality video and audio input.

TV back panel connections

Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket.

Connect the power cord into the AC IN socket found at the back of the TV.

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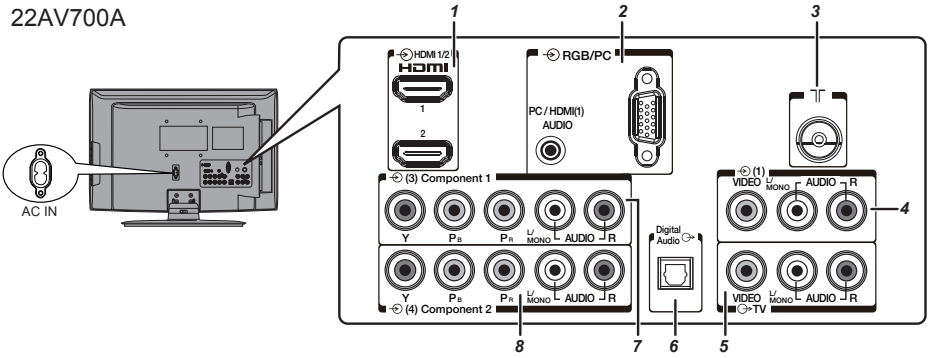

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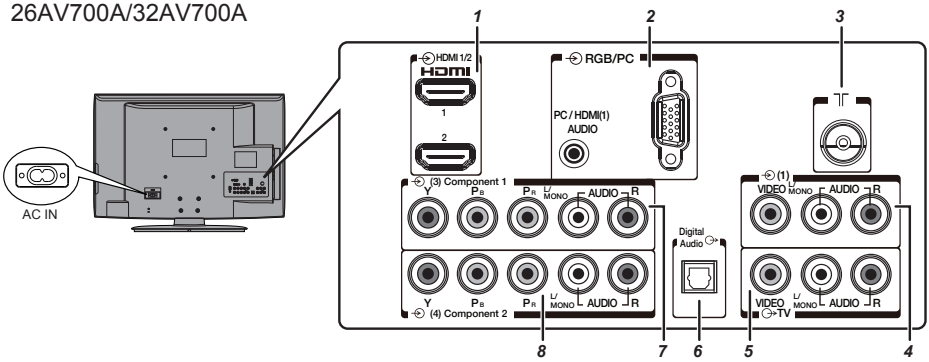

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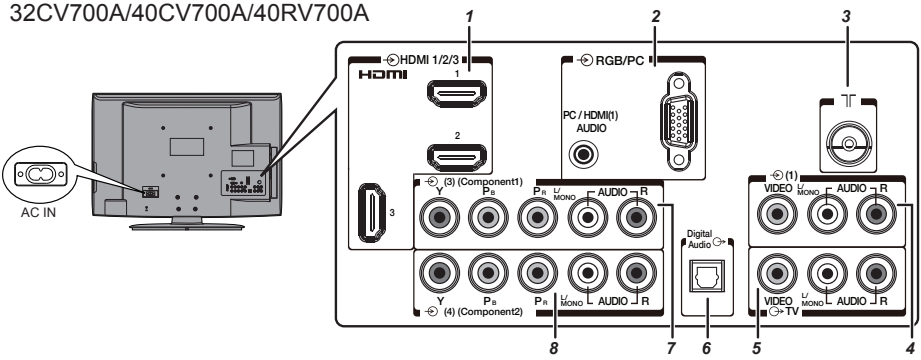


1 **HDMI1,2,3 (input terminals)** — High-Definition Multimedia Interface input receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device (☞ page 37).

2 **PC input terminal —** For use when connecting a personal computer (PC) (☞ page 38).

3 **(Antenna input terminal) —** Analogue TV/Digital DVB-T antenna signal input (☞ page 7).

4 **Composite input terminals** — For use when connecting a composite video device.

5 **TV output terminals —** For use when connecting an ATV/DTV video recorder with standard video and standard audio input.

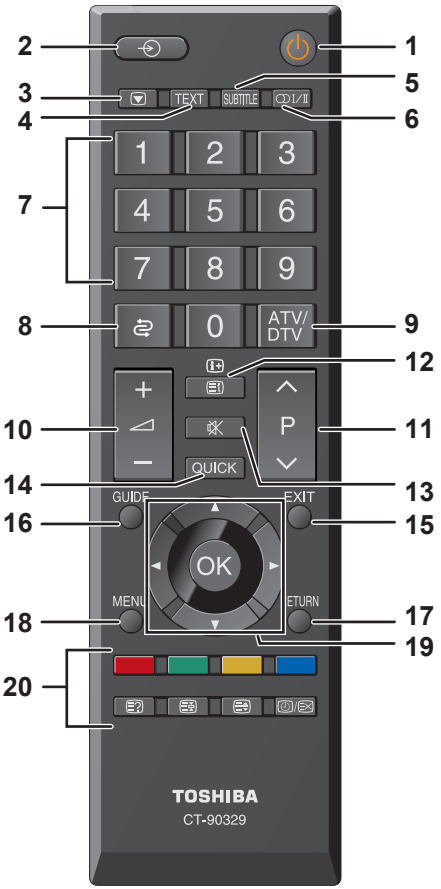
6 **Digital Audio (optical) output terminal —** For use when connecting an amplifier with optical type digital audio input (☞ page 35-36).

7/8 **Component input terminals** — For use when connecting a high-definition component video device with standard audio output. (☞ page 34).

Learning about the remote control

Location of controls

Simple at-a-glance reference of your remote control.



1. For On/Standby mode
2. To select input from external sources
3. Still Picture
4. To call up text services in analogue mode and interactive services in digital mode
5. To turn the subtitle On/Off
6. Stereo/Bilingual transmissions
7. Number buttons
8. To return to the previous programme
9. To toggle between ATV and DTV mode
10. To alter the volume
11. To change programme
12. In TV mode: To display on screen information
    In Text mode: To access index page
13. To mute the sound
14. To display Quick access menu
15. To exit menus
16. To display the programme guide
17. To return to the previous level of the on-screen menu
18. To display the on-screen menu
19. ▲, ▼, ◄, ►: To move Up, down, left or right in the on-screen menu

    OK: To confirm the selection
20. Colour button: Text control buttons

    To reveal concealed text

    To hold a wanted page

    To enlarge text display size

    In normal picture mode: To display clock on TV screen.

    In Teletext mode: To toggle between Telextext and normal picture mode

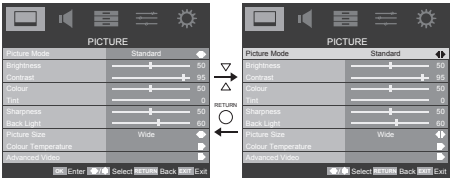
Learning about the menu system

We suggest you familiarize yourself with the display charts before using the menu system:

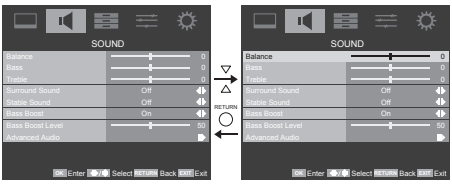
- Press MENU to display menu, then press ◄ or ► to select main menu headings.
- Press ▲ or ▼ to select sub menu headings.
- Press OK , ◄ or ► to select the required choice. Follow the on-screen instructions. (The functions of each menu are described in detail throughout the manual).
- Press RETURN to return the previous level of the on-screen menu.
- If you want to close the menu, press EXIT .

TV SETUP menu chart

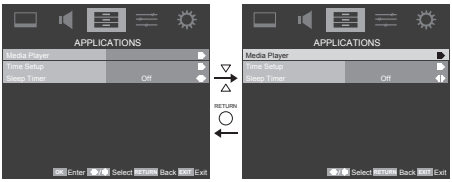
PICTURE menu



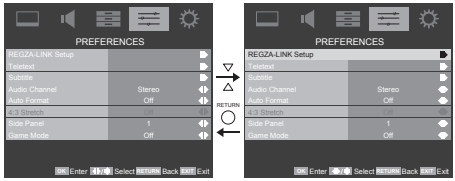
SOUND menu



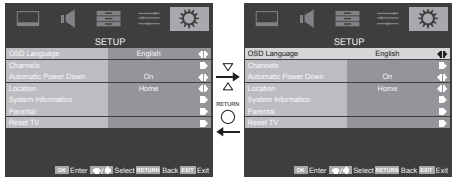
APPLICATIONS menu



PREFERENCES menu



SETUP menu



Note for menu system:

- If you do not make a selection for a while, the menu display disappears automatically.

Turning on the TV

Switching on the TV

Connect the power cord to a wall outlet, the ⏻/❙ power indicator lights in red (standby mode).

1 Press ⏻ on the remote control or ⏻/❙ on the TV control panel, the ⏻/❙ power indicator lights in green.

Switching off the TV

1 Press ⏻ on the remote control or ⏻/❙ on the TV control panel to switch to the standby mode.

Notes:

- *This TV is not fully disconnected from the main supply, as minute current is consumed even when the TV is turned off. When the TV will not be used for a long period of time, such as during vacation or travel, remove the power plug from the wall outlet.*
- *If power is cut off while you are viewing the TV, the Last Mode Memory function turns on the TV automatically when power is applied again. If power is going to be off for a long time and you are going to be away from your TV, unplug the power cord to prevent the TV from turning on in your absence.*

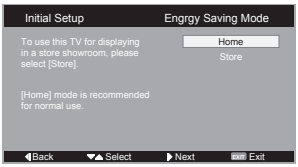
Initial Setup

Before switching on the TV, put your decoder and media recorder to **Standby** if they are connected and ensure the antenna is connected. To setup the TV, use the buttons on the remote control as detailed on page 12.

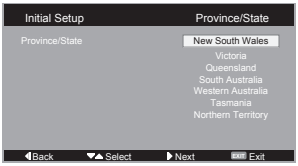
1 Connect the television to the main power and press the POWER ⏻ button. The Initial Setup screen will appear at the first use. Press OK to start the initial setup.

2 Press ▲ or ▼ to select your language and press ► to the next step.

3 Press ▲ or ▼ to select the Energy Saving Mode and press ► to the next step.



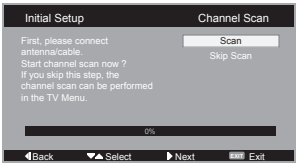
4 Press ▲ or ▼ to select the Province/State and press ► to the next step.



Notes:

- *To ensure your television is operating at optimal energy efficiency, select **Home** mode during initial activation. **Home** mode is recommended for normal home use.*
- *The factory default settings of this television meet **ENERGY SAVING** requirements. Changing Picture Settings may increase energy consumption, possibly beyond the limits required for ENERGY SAVING qualification.*
- *To return to **Home** mode settings, select **Standard** picture mode.*
- ***Standard** picture mode is used to achieve published average power values, and this mode is recommended for normal home use.*

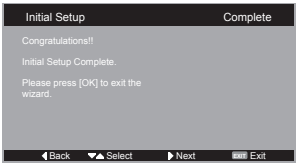
5 To start channel scan, press ►.



The search will begin for all available stations. The slide bar will move along the line as the search progresses.

***Note:** If you skip this step, the channel scan can still be performed later in the Setup Menu.*

6 The initial setup is now complete. Press [OK] to exit the wizard.



Setting the programmes

***Note:** When the **Channel Block** is activated, a 4-digit password is needed to enter the **Channels** submenu under **SETUP** menu.*

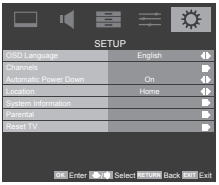
Auto Scan

The **Auto Scan** will completely re-tune the television and update the channel list.

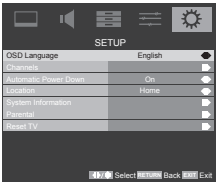
It is recommended that Auto Scan is run periodically to ensure that all new services are added.

***Note:** All the programmes and settings that were previous saved will be lost.*

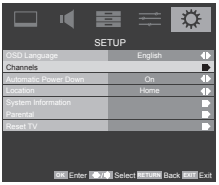
1 Press MENU and use ◄ or ► to select **SETUP**.



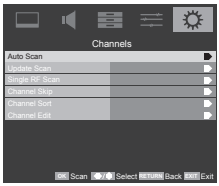
2 Press ▲ or ▼ to highlight **OSD Language** and press ◄ or ► to select your language.



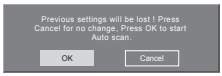
3 Press ▲ or ▼ to highlight **Channels**. Press ► or OK to enter.



4 Select **Auto Scan** and press ► or OK.



5 Press Cancel for no change, or press OK to start Auto Scan.



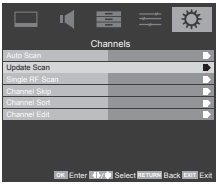
Update Scan

Search the new channels that are not in the programme list.

1 Press MENU and then press ◄ or ► to select **SETUP**.

2 Press ▲ or ▼ to highlight **Channels**. Press ► or OK to enter.

3 Select **Update Scan**. Press OK to start Update Scan.



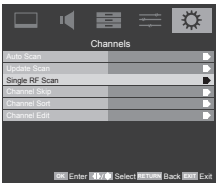
***Note:** This option is available for DVB_T only.*

Single RF Scan

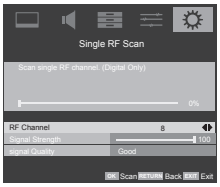
Scan single RF channel. You can check the Signal Strength and the Signal Quality.

1 Select **Channels** from the **SETUP** menu.

2 Highlight **Single RF Scan** and press ► or OK to enter.



3 Press ◄ or ► to select the **RF Channel**. Press OK to start scanning.



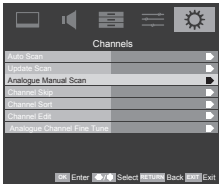
Analogue Manual Scan

The television can be tuned-in manually using **Analogue Manual Scan**.

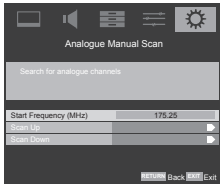
1 Press MENU and then press ◄ or ► to select **SETUP.**

2 Press ▲ or ▼ to highlight **Channels**. Press ► or OK to enter.

3 Select **Analogue Manual Scan**. Press ► or OK to confirm.



4 Use number buttons 0~9 to enter the Start Frequency. Press ▲ or ▼ to select Scan Up or Scan Down. Press ► or OK to start scanning. Press RETURN to stop scanning.



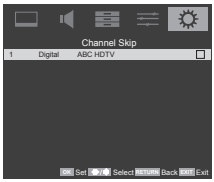
Channel Skip

To prevent certain programmes from being viewed, the programme position can be skipped. The remote control must be removed as the channels will still be available using the number buttons. Programmes can then be watched as normal using the controls on the television, but the television will not show the skipped programme position.

1 In the **SETUP** menu, press ▼ to highlight **Channels** and press ► or OK to select.

2 Press ▲ or ▼ to highlight **Channel Skip** and press ► or OK to select.

3 Press ▲ or ▼ to select the channels you want to skip, then press OK to set.



The skipped programme positions **cannot** be selected by **P**∨ and **P**∧ or by the controls on the television, but **can** still be accessed by the number buttons on the remote control.

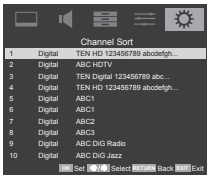
Channel Sort

Change the order of the programme list.

1 Select **Channels** from the **SETUP** menu.

2 Highlight **Channel Sort** and press ► or OK to select.

3 Pressing OK to check two channels to swap the positions.


Channel Sort
1 Digital TEN HD 123456789 abcdefgh...
2 Digital ABC HDTV
3 Digital TEN Digital 123456789 abc...
4 Digital TEN HD 123456789 abcdefgh...
5 Digital ABC1
6 Digital ABC1
7 Digital ABC2
8 Digital ABC3
9 Digital ABC DIG Radio
10 Digital ABC DIG Jazz
OK Set ◄/► Select RETURN Back EXIT Exit

Channel Edit

Edit the channel number and channel name.

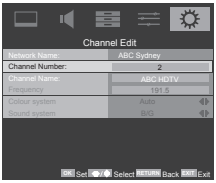
1 Select **Channels** from the **SETUP** menu.

2 Highlight **Channel Edit** and press ► or OK to select.

3 Press ▲ or ▼ to highlight the channel and press OK to select.

4 Change the **Channel Number** by using the number buttons 0~9. Change the **Channel Name** by using the number buttons 0~9 to enter numbers and letters.

Note: *The Colour System/Sound System can be changed only in Analogue TV.*



Analogue Channel Fine Tune

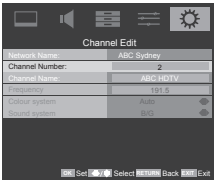
When the reception is poor, you can use this function to do the fine tuning.

1 In the **SETUP** menu, press ▲ or ▼ to highlight **Channels** and press ► or OK to select.

2 Press ▲ or ▼ to highlight **Analogue Channel Fine Tune** and press OK to select.

3 Highlight and press OK to select the channel.

4 Press ◄ or ► to adjust the frequency. Press ◄ to decrease and ► to increase the frequency.



Reset TV

Selecting **Reset TV** will reset all TV settings to their original factory default settings, excludes OSD Language and Channels.

1 In the **SETUP** menu, press ▲ or ▼ to highlight **Reset TV** and press ► or OK to select.

2 Select **OK** to confirm, or select **Cancel** to exit.

Automatic Power Down

The TV will automatically turn itself off (standby) after approximately 4 hours, if you do not touch the control buttons on the remote control or on the TV control panel.

1 In the **SETUP** menu, press ▲ or ▼ to highlight **Automatic Power Down**.

2 Press ◄ or ► to select **On** or **Off**.

General Control

Selecting programme positions

After you have tuned the TV, you have several ways to navigate through all programmes:

- Press the Number buttons (a channel number has 3-digits) and you may omit the leading zeroes, which will be appended automatically; (Please note that if you have channels with different frequencies but the same channel number, the TV will always tune to the first channel that has been stored into the channel database. To view the other duplicating channels, you can select the channels by using **P**∧ / **P**∨ buttons.)
- Press **P**∧ / **P**∨ to view the previous and next programme. The channels are arranged in ascending order according to the channel number.

Switching between two programme positions

You can switch two programme positions without entering actual position number each time.

1 Select the first programme position you want to view.

2 Select the second programme position with the Number buttons (0-9).

3 Press ⮌, The previous channel will be displayed.

Each time you press ⮌, the TV will switch back and forth between the two programme positions.

Stereo and Bilingual transmissions

If stereo or dual language broadcasts are transmitted the word Stereo or Dual will appear on the screen each time programme positions are changed, disappearing after a few seconds. If the broadcast is not in stereo the word Mono will appear.

Stereo… ◯Ⅰ/Ⅱ Press to select **Stereo** or **Mono**.

Bilingual… Bilingual transmissions are rare. If they are transmitted the word **Dual** will display. Choose the required programme number and if the word **Dual** appears press ◯Ⅰ/Ⅱ to select **Dual 1, Dual 2** or **Mono**.

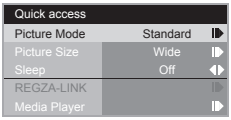
Time Display

The time display facility allows the current (text service) time to be seen on the television screen.

Press ⏻/✉ on the remote control while watching a normal television broadcast to see the time display from the broadcaster. It will remain on screen for about 5 seconds.

Quick Access Menu

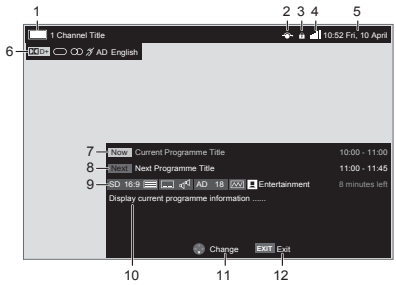
Quick access menu helps you access some options quickly, such as **Picture Mode**, **Picture Size, Sleep, REGZA-LINK,** and **Media Player.** Press **QUICK** button to display the **Quick access** menu and press ▲ or ▼ to select the option.



Information

The on-screen information will give the details of the channel programme currently being viewed.

1 Press i+ the information screen will appear giving details of the programme and event currently being viewed.



1	Service type
2	Skip
3	Channel block
4	Signal strength
5	Current time and date
6	Audio information
7	Current programme and time
8	Next programme and time
9	Event information
10	Current programme information
11	Change between Now and Next programme list
12	Exit the information screen

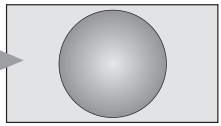
2 Press i+ again to close the information screen.

Picture Control

Widescreen viewing

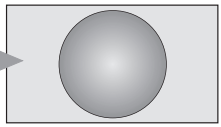
Native

This setting is available when watching video signal source via HDMI, and will show the picture without over scan.

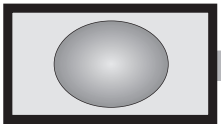


Wide

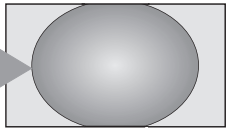
Use this setting when watching a widescreen DVD, widescreen video tape or a 16:9 broadcast (when available). Due to the range of widescreen formats (16:9, 14:9, 20:9 etc.) black bars may be visible on the top and bottom of the screen.



Cinema

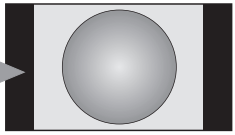


When watching all sides panel format films/video tapes, this setting will eliminate or reduce the black bars at all sides of the screen by zooming in and selecting the image without distortion.

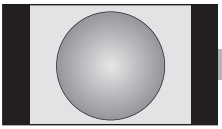


4:3

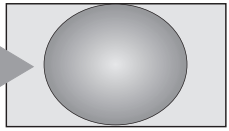
Use this setting to view a true 4:3 broadcast.



Super Live

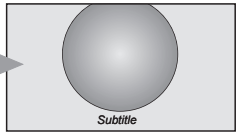


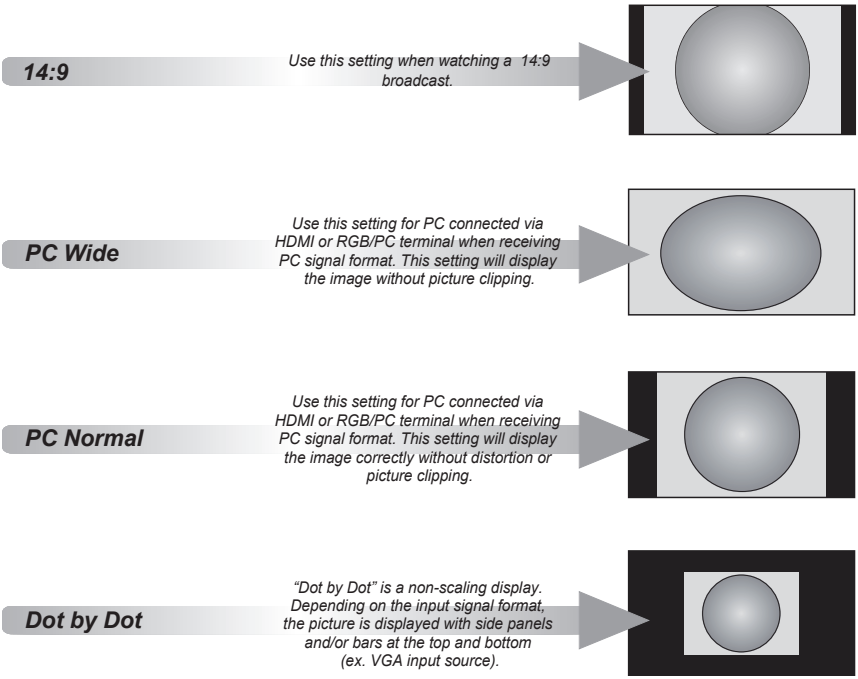
This setting will enlarge a 4:3 image to fit the screen by stretching the image horizontally and vertically, holding better proportions at the centre of the image. Some distortion may occur.



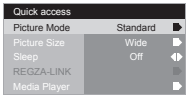
Subtitle

When subtitles are included on a letterbox format broadcast, this setting will raise the picture to ensure that all the text is displayed.




14:9
Use this setting when watching a 14:9 broadcast.
PC Wide
Use this setting for PC connected via HDMI or RGB/PC terminal when receiving PC signal format. This setting will display the image without picture clipping.
PC Normal
Use this setting for PC connected via HDMI or RGB/PC terminal when receiving PC signal format. This setting will display the image correctly without distortion or picture clipping.
Dot by Dot
"Dot by Dot" is a non-scaling display. Depending on the input signal format, the picture is displayed with side panels and/or bars at the top and bottom (ex. VGA input source).

Press **QUICK** to display the **Quick access** menu and use ▲ or ▼ to select the **Picture Size** and press ► or OK .



You can choose the picture size from Wide, 4:3, Super Live, Cinema, Subtitle, 14:9, Native, PC Wide, PC Normal, Dot by dot.

Using the special functions to change the size of the displayed image (i.e. changing the height/width ratio) for the purposes of public display or commercial gain may infringe on copyright laws.

Available Picture Size

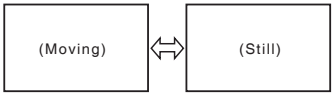
Screen Mode	SD (up to 480p)	HD (up to 1080p)	PC Mode
Wide	Yes	Yes	No
4:3	Yes	Yes	No
Super Live	Yes	No	No
Cinema	Yes	No	No
Subtitle	Yes	No	No
14:9	Yes	No	No
Native	Yes(only in HDMI)	Yes(only in HDMI)	No
PC Wide	No	No	Yes
PC Normal	No	No	Yes
Dot by Dot	No	No	Yes

Still Picture

- Press ▼ to freeze the picture.

Even if an image is frozen on the TV screen, the pictures are running on the input source. Audio continues to be output as well.

To return to a moving picture, press ▼ again.



Note: *If you use this function except for the purpose of your private viewing and listening, it may infringe the copyright protected by the copyright laws.*

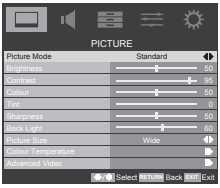
Picture Mode

You can adjust the best picture appearance by selecting the preset value in picture mode based on the programme category.

1 Press MENU and use ◄ or ► to select **PICTURE.**

2 Press ▲ or ▼ to highlight **Picture Mode** and use ◄ or ► to select **Dynamic**, **Standard, Movie, PC,** or **User**.

Note: *The Store mode is available only when the Location in SETUP menu is set to Store.*



Brightness, Contrast, and Colour

1 In the **PICTURE** menu, press ▲ or ▼ to select **Brightness, Contrast,** or **Colour.**

2 Using ◄ or ► to adjust your preference.

Tint

Adjusts the picture tint.

1. In the **PICTURE** menu, press ▲ or ▼ to select **Tint**.
2. Using ◄ or ► to adjust your preference.

Note: *This function does not work in PC mode.*

Sharpness

This function increase or decrease the sharpness of the picture. The picture shows the clear edge when you increase the values.

1 In the **PICTURE** menu, press ▲ or ▼ to select **Sharpness**.

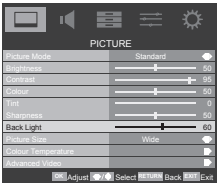
2 Using ◄ or ► to adjust your preference.

Back Light

Adjusting the **Back Light** can improve the clarity of the screen when viewing.

1 In the **PICTURE** menu, and press ▲ or ▼ to highlight **Back Light**.

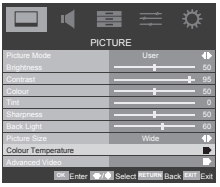
2 Using ◄ or ► to adjust your preference.



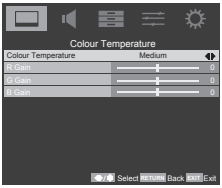
Colour Temperature

Colour Temperature increases the 'warmth' or 'coolness' of a picture by increasing the red or blue tint.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Colour Temperature** and press ► or OK to select.



2 Using ◄ or ► to select **Cool, Medium, Warm** or **User** to suit your preference.

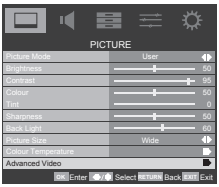


Note: *R/G/B Gain: Increase or decrease the red/green/blue values in the picture.*

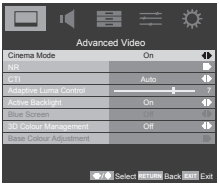
Cinema Mode

The frame rate of a movie film is generally 24 frames a second whereas the movie software such as DVD, etc. that you enjoy watching on television at home is 30 or 25 frames a second. The difference in frame rate may cause flickers whilst viewing the films on television; set the **Cinema Mode** to convert the signal to reproduce a smooth motion and picture quality.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video**, press ► or OK to select**.**



2 Press ▲ or ▼ to highlight **Cinema Mode**, press ◄ or ► select **On** or **Off.**



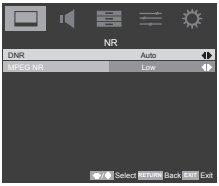
DNR

DNR (Digital Noise Reduction) enables you to 'soften' the screen representation of a weak signal to reduce the noise effect.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video**, press ► or OK to select.

2 Press ▲ or ▼ to highlight **NR** and then press ► or OK to select.

3 Select **DNR**. Press ◄ or ► to select **Low**, **Middle**, **High, Auto,** or **Off**.



MPEG NR

If the receiving signal of MPEG is a grained noise depending on the compression and conversion, the noise may be reduced when using this function.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video**, press ► or OK to select.

2 Press ▲ or ▼ to highlight **NR** and then press ► or OK to select.

3 Select the **MPEG NR**, and press ◄ or ► to select **On** or **Off**.

CTI

The colour transient improvement (CTI) involves the detection and sharpening of edges around colour objects on the screen.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video** and press ► or OK to select.

2 Select the **CTI,** and press ◄ or ► to select **Auto** or **Off**.

Adaptive Luma Control

Automatically adjusts the brightness and contrast after analyzing the input signal. This function enriches the colours and the depth of the picture.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video** and press ► or OK to select**.**

2 Press ▲ or ▼ to highlight **Adaptive Luma Control** and then press ◄ or ► to select from **0** ~ **10**.

Active Backlight

When Active Backlight is activated, it will automatically optimise the backlighting levels for dark scenes.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video** and press ► or OK to select**.**

2 Select the **Active Backlight**, and press ◄ or ► to select **On** or **Off**.

Blue Screen

When **Blue Screen** is selected, the screen will turn blue and the sound will be muted when no signal is received.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video**, press ► or OK to select.

2 Press ▲ or ▼ to highlight **Blue Screen** and use ◄ or ► to select **On** or **Off.**

Note: *The Blue Screen will be grayed out in DTV and PC mode.*

3D Colour Management

When **3D Colour Management** is selected, it allows the 'Base Colour Adjustment' feature to become available.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video** and press ► or **OK** to select.

2 Press ▲ or ▼ to highlight **3D Colour Management.**

3 Press ◄ or ► to select **On** or **Off.**

Base Colour Adjustment

The Base Colour Adjustment feature allows the adjustment of individual colours to suit personal preference. This can be useful when using an external source. It can only be adjusted when Colour Management is set to On.

1 Highlight the **Advanced Video** in the **PICTURE** menu, press ▲ or ▼ to highlight **3D Colour Management** and press ◄ or ► to select **On**.

2 Press ▲ or ▼ to highlight **Base Colour Adjustment** and then press ► or OK.

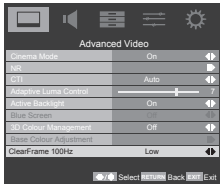
3 Press ▲ or ▼ to select an option, then press OK to enter the adjustment setting window.

4 Press ◄ or ► to select **Hue, Saturation,** or **Brightness**, then press ▲ or ▼ to adjust the settings as required.

Note: *To return to the original factory settings, select Reset and press* OK .

ClearFrame 100Hz

The new ClearFrame 100Hz anti-blur technology doubles the frame rate from 50 frames per second to 100 frames per second, virtually eliminating motion blur without adding flicker or reducing image brightness.



1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video** and press ► or **OK** to select.

2 Press ▲ or ▼ to highlight **ClearFrame**.

3 Press ◄ or ► to select **Off**, **Low**, **Middle**, or **High**.

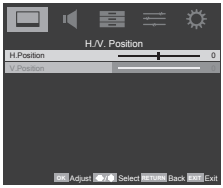
Note: *This ClearFrame 100Hz function is available for model 40RV700A only.*

H./V. Position

Adjust the horizontal and vertical position of the picture.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video** and press ► or OK to select.

2 Press ▲ or ▼ to highlight **H./V. Position** and press ► or OK to select.



3 Press ▲ or ▼ to select **H. Position** or **V. Position**, and press◄ or ► to adjust.

PC

This option only shows and is available in PC mode, which provides several items for the PC display fine tunings.

1 In the **PICTURE** menu, press ▲ or ▼ to select **PC** and then press OK .

2 Press ▲ or ▼ to select **Auto Adjust** for adjusting the settings automatically, or select **H. Position, V. Positio**n, **Phase** or **Clock** and use ◄ or ► to adjust your preference.

HDMI RGB Range

Adjusts RGB full range signal automatically. The option **Limit** adjusts the RGB signal output range from 16 to 235. The option **Full** adjusts the RGB signal output range from 0 to 255.

1 In the **PICTURE** menu, press ▲ or ▼ to highlight **Advanced Video** and press ► or OK to select**.**

2 Press ▲ or ▼ to highlight **HDMI RGB Range**, press ◄ or ► to select **Auto, Full**, or **Limit**.

***Note:** If the HDMI connection is capable of 1080p and/ or the television is capable of refresh rates greater than 50Hz or supports Deep Colour, a Category 2 cable will be required. Conventional HDMI/DVI cables may not work properly with this mode.*

Sound Adjustment

Volume

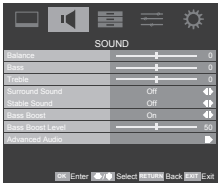
Press ◄ or ► to adjust the volume.

Sound Mute

Press 🔇 once to turn the sound off and again to cancel.

Balance, Bass, Treble

1 Press MENU and ◄ or ► to select **SOUND.**



2 Press ▲ or ▼ to highlight **Bass**, **Treble** or **Balance** and ◄ or ► to change the setting.

Surround Sound

This function enriches (expending and deepening) the sound quality.

1 In the **SOUND** menu, press ▲ or ▼ to select **Surround Sound**.

2 Using ◄ or ► to switch function **On** or **Off.**

Stable Sound®

Stable Sound reduces the volume level differences between channels. It automatically remains on the same volume level when you change channels.

1 In the **SOUND** menu, press ▲ or ▼ to select **Stable Sound**.

2 Using ◄ or ► to switch function **On** or **Off.**

Bass Boost

Bass Boost enhances the depth of the sound on the TV speakers. The difference will only be noticeable on sound with a strong bass.

1 In the **SOUND** menu, press ▲ or ▼ to highlight **Bass Boost**.

2 Using ◄ or ► to switch function **On** or **Off**.

Bass Boost Level

After setting the **Bass Boost** to **On** in the **SOUND** menu, you can adjust its level.

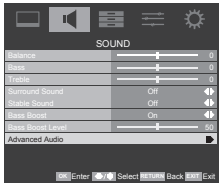
1 In the **SOUND** menu, press ▲ or ▼ to highlight **Bass Boost Level**.

2 Press ◄ or ► to adjust the level.

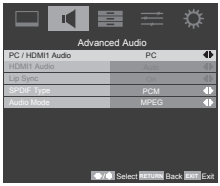
PC / HDMI1 Audio

Receive sound from a connected PC or HDMI device.

1 In the **SOUND** menu, press ▲ or ▼ to highlight **Advanced Audio** and press ► or OK to select.



2 Press ▲ or ▼ to highlight **PC / HDMI1 Audio**, press ◄ or ► to select **PC** or **HDMI**.



HDMI1 Audio

If the connected HDMI source does not support digital audio, plug the audio cable into PC/HDMI1 (Audio) on the back of the TV, then use the HDMI1 Audio setting. If the sound is missing, select an alternative setting.

1 In the **SOUND** menu, press ▲ or ▼ to highlight **Advanced Audio** and press ► or OK to select.

2 Press ▲ or ▼ to highlight **HDMI1 Audio**, press ◄ or ► to select **Auto**, **Analogue**, or **Digital**.

Lip Sync

Activates an audio/video display timing adjustment that allows HDMI devices to automatically synchronize accurately. Available for HDMI source only.

1 In the **SOUND** menu, press ▲ or ▼ to highlight **Advanced Audio** and press ► or OK to select.

2 Press ▲ or ▼ to highlight **Lip Sync**, press ◄ or ► to select **On** or **Off**.

SPDIF Type

SPDIF is a digital output format sending digital audio to an external audio system.

1 In the **SOUND** menu, press ▲ or ▼ to highlight **Advanced Audio** and press ► or OK to select.

2 Press ▲ or ▼ to highlight **SPDIF Type**, press ◄ or ► to select **Dolby Digital**, **PCM**, or **Off**.

Audio Mode

1 In the **SOUND** menu, press ▲ or ▼ to highlight **Advanced Audio** and press ► or OK to select.

2 Press ▲ or ▼ to select **Audio Mode** and using◄ or ► to select **Dolby Digital** or **MPEG**.

Dolby Digital
If you select this option, the TV will select the first Dolby Digital audio track, if available. However, if the channel does not contain any Dolby Digital audio track, then the first available MPEG audio track will be selected.

MPEG
If you select this option, the TV will select the first MPEG audio track, if available. However, if the channel does not contain any MPEG audio track, then the first available Dolby Digital audio track will be selected.

Note: *Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.*

Selecting the stereo programmes

1 When a stereo programme is received, **Stereo** appears.

2 Press I/II to select the Auto/Mono mode. **Stereo** and **Mono** appear cyclically on the screen.

Selecting the bilingual programmes

1 When a bilingual programme is received, **Dual** appears.

2 Press I/II to select the sound to be heard. The sound differs according to the transmission system: NICAM or German stereo/bilingual broadcast.

Display	Sound to be heard	
	NICAM	German stereo / bilingual broadcast
Dual 1	Sub I sound	Main sound
Dual 2	Sub II sound	Sub sound
Mono	Main sound	---

Note: *These settings are not stored in the TV memory.*

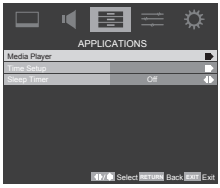
Applications Control

Media Player

The Media Player allows the viewing of photos (JPEG files) and music (MP3 files) stored in a USB storage device. (Connectivity is not guaranteed for all devices.)

1 Plug your USB flash drive into USB port. Highlight the **Media Player** in the **APPLICATIONS** menu and press ► or OK to select.

2 Press ▲ or ▼ to highlight **Photo** or **Music**, then press ► or OK , the Media Player will open.
You may also use the Quick Access Menu to enter.



NOTE 1: *The Media Player will open even if there are no images on the USB flash drive.*

NOTE 2: *The On-screen menus will not display while the Media Player is being used.*

NOTE 3: *MP3 is the MPEG Layer-3 audio coding technology licensed from Fraunhofer IIS and Thomson.*

NOTE 4: *For SD card connection, an aftermarket adapter is recommended to do so.*

Time Setup

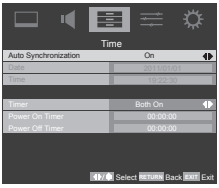
The time is set automatically when receiving a digital signal. (You can set the time manually only if the TV has no DTV signal.)

You must set the time correctly before using Power On/ Off Timer function.

1 Highlight the **Time Setup** in the **APPLICATIONS** menu and press ► or OK to select.

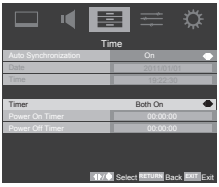
2 Use ◄ or ► to select your **Country Region**.

3 Highlight the **Time** in the **Time Setup** menu and press ► or OK to select. Use ◄ or ► to set the **Auto Synchronization On/Off.**



4 If you set the **Auto Synchronization Off**, you can set the Date and Time manually by using ▲, ▼, ◄, ►, and number buttons.

5 Using ▲, ▼, ◄ and ► to select the Power On/Off Timer.



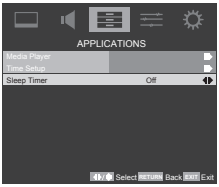
The **Power On Timer** function switches the TV on automatically at a preset time.

The **Power Off Timer** function switches the TV off automatically at a preset time.

Sleep Timer

The television can be set to turn itself **Off** after time.

1. Use ▲ or ▼ to highlight **Sleep Timer** in the **APPLICATIONS** menu.
2. Use ◄ or ► to set the timer from Off, 10, 20, 30, 40, 50, 60, 90 or 120 Minutes.



Note: *To cancel the **Sleep Timer**, set this option **Off**.*

Input Selection

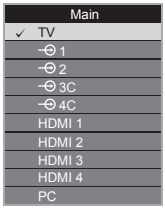
Defining the INPUT and OUTPUT sockets so that the television recognises connected equipment.

See page 9 and 10 for a clear view of the back connection recommendations.

Alternatively press the external source selection button ⊕ until the picture from connected equipment is shown.

Use the Input Selection if the television does not switch over automatically.

1 Pressing ⊕ a list will appear on screen showing all stored external equipment. Use ▲ and ▼to highlight and Ⓞ to select.



***Note:** The "**HDMI 3**" port is available for model **26AV700A**, **32AV700A**, **32CV700A**, **40CV700A**, and **40RV700A** only. The "**HDMI 4**" port is available for model **32CV700A**, **40CV700A**, and **40RV700A** only.*

HDMI® displays equipment connected to Input HDMI on the back of the television. It is designed for best performance with 1080p high definition signals.

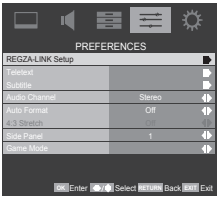
REGZA-LINK

REGZA-LINK Setup

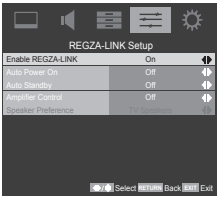
This feature uses CEC (Consumer Electronics Control) technology, and allows the control of Toshiba REGZA-LINK compatible equipment from the television's remote control.

***Note:** Not all Toshiba products currently support REGZA-LINK.You can set the subtitle on or off whilst watching TV.*

1 Highlight the **REGZA-LINK Setup** in the **PREFERENCES** menu, and press ► or Ⓞ to select.



2 Use ▲ or ▼ to select the **Enable REGZA-LINK**, then press ◄ or ► to select **On** or **Off**.



TV Auto Power On

The **Auto Power On** setting allows the television to be automatically switched On or Off if a **REGZA-LINK** device is turned On or Off.

1 Highlight the **REGZA-LINK Setup** in the **PREFERENCES** menu, and press ► or Ⓞ to select.

2 Use ▲ or ▼ to select the **Auto Power On**, then press ◄ or ► to select **On** or **Off**.

Auto Standby

When the **Auto Standby** is enabled, switching off the television will automatically switch off all connected REGZA-LINK equipment.

1 Highlight the **REGZA-LINK Setup** in the **PREFERENCES** menu, and press ► or OK to select.

2 Use ▲ or ▼ to select the **Auto Standby**, then press ◄ or ► to select **On** or **Off**.

Amplifier Control

When the **Amplifier Control** is enabled, REGZALINK allows some of the amplifier features to be controlled with the television remote control.

1 Highlight the **REGZA-LINK Setup** in the **PREFERENCES** menu, and press ► or OK to select.

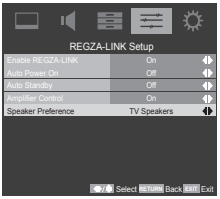
2 Use ▲ or ▼ to select the **Amplifier Control**, then press ◄ or ► to select **On** or **Off**.

Speaker Preference

This feature allows the audio output preference to be set to the TV speakers or AV amplifier speakers. The AV Amplifier option lets the televisions remote control adjust or mute the volume of the audio.

1 Highlight the **REGZA-LINK Setup** in the **PREFERENCES** menu, and press ► or OK to select.

2 Use ▲ or ▼ to select the **Speaker Preference**, then press ◄ or ► to select **TV Speakers** or **Amplifier**.



One Touch Play

The function of **REGZA-LINK** will automatically power on the television that was in standby mode and switch the television's input source to the port connected with the audio/video equipment by powering-on or playing from the audio/video equipment.

NOTE: *This feature is dependent on the connected equipment and television setting.*

System Standby

This feature automatically switches the connected equipment into standby when the television goes into standby and conversely for the television to switch into standby when connected equipment goes into standby. It is selected in the **REGZA-LINK** setup menu.

NOTE: *This feature is dependent on the connected equipment and television setting.*

System Audio Control

Using the **Speaker Preference** feature allows the televisions remote control to adjust the volume or mute the sound of the speakers connected to the television via an AV amplifier.
Ensure that the connected AV amplifier and **REGZA-LINK** equipment are selected in the input source selection and that the **Speaker Preference** is set to **Amplifier** in the **REGZA-LINK** setup menu.

NOTE: *When the AV Amplifier is switched on, its input source changed or the volume adjusted, the sound will be output from the AV Amplifier's speakers even if TV Speakers has been selected. Turn the television off then on again to output the sound from the TV's speakers.*

The full function may not work and is dependent on the Amplifier being used.

PC Link

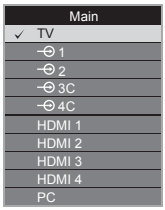
This feature automatically adjusts the suitable widescreen formats and picture preferences when connected to a **REGZA-LINK PC.**

NOTE: *This feature is dependent on the connected equipment.*

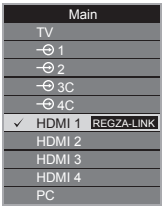
Input Source Selection

When any equipment using **CEC** technology is connected, the **REGZA-LINK** icon will appear in the input source list allowing selection of individual devices.

1 Press ⊖. A list will appear on screen showing modes and all stored external equipment.



2 The **REGZA-LINK** icon appears automatically after detected with REGZA-LINK compatible equipment. Press ▼ to highlight the input source shown with the **REGZA-LINK** icon.



3 Press ►. A second selection screen will appear showing all connected **REGZA-LINK** equipment.

4 Press ▲ or ▼ to highlight an input source, and then press OK to select.

NOTE 1: *When the television is switched on, it will take a few minutes for the* ***REGZA-LINK*** *icon to appear in the list, when an HDMI cable is removed, it will take a few minutes for the logo to disappear.*

NOTE 2: *If the HDMI cable from the connected equipment is changed, or HDMI equipment settings are changed, the* ***Enable REGZA-LINK*** *in the* ***REGZA-LINK*** *setup menu may need to be reset to On.*

NOTE 3: *When the* ***REGZA-LINK*** *input source is selected, some* ***REGZA-LINK*** *equipment may automatically switch on.*

The following features are dependent on the connected equipment. For operating information, refer to the operation manual for all connected equipment.

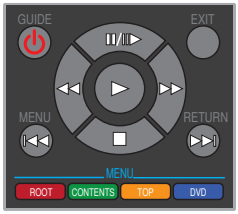
Note: *The "****HDMI 3****" port is available for model* ***26AV700A****,* ***32AV700A****,* ***32CV700A****,* ***40CV700A****, and* ***40RV700A*** *only. The "****HDMI 4****" port is available for model* ***32CV700A****,* ***40CV700A****, and* ***40RV700A*** *only.*

Pass-Through Control

The Pass-Through feature allows you to control the connected REGZA-LINK device by the television's remote control.

1 Press ▲ or ▼ to select REGZA-LINK in the Quick Access Menu, and then press OK. The control panel will appear.

When there are two or more REGZA-LINK devices connected to the television, a device selection menu will appear. Highlight the device you want to control, and then press OK to select.



2 Press the key on the television's remote control as guided by the control panel shown.

NOTE: *The available functions are dependent on the connected equipment,* ***not all the remote functions may be available.*** *Please refer to the operation manual of the connected equipment.*

Equipment Control

The **REGZA-LINK** mode on the television's remote control allows the control of connected **REGZA-LINK** equipment being watched.
To control the **REGZA-LINK** input source, first select the equipment with **REGZA-LINK** input source selection, then switch the mode on the remote control to **REGZA-LINK** and press any buttons.
The available functions are dependent on the equipment connected. Not all the remote control keys may be available. Please refer to the operation manual for each piece of equipment connected.

NOTE: *The television features that can be controlled by the connected equipment are: Standby, Volume, Channel, Sound Mute, Display Information, Number Buttons and Previous Programme.*

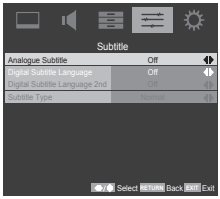
Preference Control

Analogue Subtitle

You can set the subtitle on or off whilst watching TV.

1 Highlight the **Subtitle** in the **PREFERENCES** menu, and press ► or OK to select.

2 Use ▲ or ▼ to select **Analogue Subtitle** and press ◄ or ► to select **On**, **Mute**, or **Off**.



***Note:** Selected **"Mute"** for the **Analogue Subtitle** will have the subtitle displayed on screen only by pressing the mute button on remote control.*

Digital Subtitle

Use the **Digital Subtitle** function when two or more subtitle languages are broadcast. If subtitle data in a selected language is not broadcast, the default language subtitle will be displayed.

1 Highlight the **Subtitle** in the **PREFERENCES** menu, and press ► or OK to select.

2 Use ▲ or ▼ to select the **Digital Subtitle Language** or **Digital Subtitle Language 2nd** and use ◄ or ► to select the language.

***Note:** If the language in the Digital Subtitle Language is not available, the Digital Subtitle Language 2nd will be displayed.*

Subtitle Type

You can choose the **Subtitle Type** from **Normal** or **Hearing Impaired**. If the "**Hearing Impaired**" is selected, it provides subtitle services to deaf and hard of hearing viewers with additional descriptions.

1 Highlight the **Subtitle** in the **PREFERENCES** menu, and press ► or OK to select.

2 Use ▲ or ▼ to select **Subtitle Type** and press ◄ or ► to select **Normal** or **Hearing Impaired**.

Audio Language

This feature allows a programme or film to be viewed with a choice of soundtrack language, provided they are currently being broadcast.

1 In the **PREFERENCES** menu, press ▼ to highlight **Audio Language** or **Audio Language 2nd**.

2 Use ◄ or ► to select the language.

Audio Channel

If stereo or dual language broadcasts are transmitted, the word Stereo or Dual will appear on the screen each time the programme positions are changed, and then disappear after a few seconds. If the broadcast is not in stereo, the word Mono will appear.

1 In the **PREFERENCES** menu, press ▼ to highlight **Audio Channel**.

2 Use ◄ or ► to select **Stereo**, **Dual1**, **Dual2**, or **Mono**.

Auto Format

When the television receives a true Widescreen picture and Auto Format is On, it will automatically be displayed in Widescreen format, irrespective of the television's previous setting.

1 In the **PREFERENCES** menu, press ▼ to highlight **Auto Format**.

2 Use ◄ or ► to select **On**, or **Off**.

4:3 Stretch

If the 4:3 Stretch is On, the picture size will auto stretch to 4:3 aspect ratio in Widescreen format.

1 In the **PREFERENCES** menu, press ▼ to highlight **4:3 Stretch**.

2 Use ◄ or ► to select **On**, or **Off**.

***Note:** The **4:3 Stretch** feature is only activated when **Auto Format** is set to **On**.*

Side Panel

The Side Panel feature lightens or darkens the band each side of the screen in 4:3 or 14:9 format. This helps prevent image retention of the band and can also make viewing in bright or dark conditions more comfortable.

1 In the **PREFERENCES** menu, press ▼ to highlight **Side Panel**.

2 Use ◄ or ► to select **1**, **2**, or **3**.

***Note:** The **Side Panel** feature is not available in DTV/ ATV mode.*

Game Mode

The Game Mode helps to speed up video response for game application.

1 In the **PREFERENCES** menu, press ▼ to highlight **Game Mode**.

2 Use ◄ or ► to select **On**, or **Off**.

Parental control

This function blocks channels or programmes that you do not want to or that you do not want your children to watch.

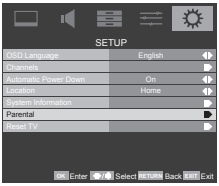
A password is required to gain access to this function. The factory default password is "**0000**".

Note: *When Channel Block, Programme Block and Input Block are activated, you will need to enter the 4-digit password before you enter the channels submenu under the SETUP. After A*uto Scan, all the channel blocks will be cleared.

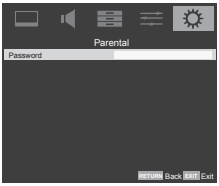
Channel Block

This function blocks channels that you do not want to or that you do not want your children to watch.

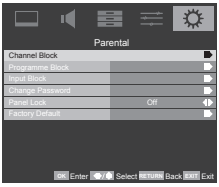
1 Highlight the **Parental** in the **SETUP** menu, and press ► or OK to select.



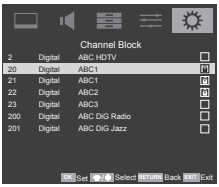
2 Enter the 4-digit password.



3 Use ▲ or ▼ to highlight the **Channel Block** and press ► or OK to select.



4 Use ▲ or ▼ to highlight the channels you want to block, then press OK to set.



Programme Block

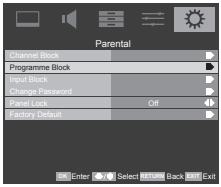
This function prevents children from watching certain TV programmes, according to the rating limit set.

This function operates according to information from the broadcasting station.Therefore if the signal has no information, this function does not operate.

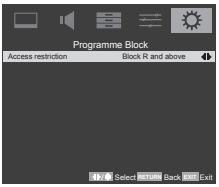
1 Highlight the **Parental** in the **SETUP** menu, and press ► or OK to select.

2 Enter the 4-digit password.

3 Use ▲ or ▼ to highlight the **Programme Block** and press ► or OK to select.



4 Use ◄ or ► to set the **Restriction of Access** from **G, PG, M, MA, AV, R, AII**, or select **No Block** to turn this function off.



Note: *This function is available for the programme with Rating information.*

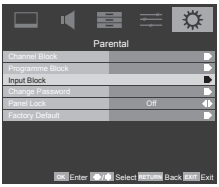
Input Block

This function can disable the specific external input signals.

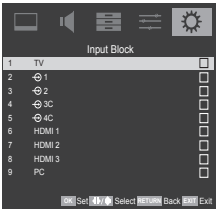
1 Highlight the **Parental** in the **SETUP** menu, and press ► or OK to select.

2 Enter the 4-digit password.

3 Use ▲ or ▼ to highlight the **Input Block** and press ► or OK to select.



4 Use ▲ or ▼ to highlight the input that you want to disable and press OK to lock.



Panel Lock

You can lock the control buttons on your TV by using this **Panel Lock**. When this function enables, the TV can be controlled only by the remote control.

1 Highlight the **Parental** in the **SETUP** menu, and press ► or OK to select.

2 Enter the 4-digit password.

3 Use ▲ or ▼ to highlight the **Panel Lock** and press ◄ or ► to switch the function **On** or **Off**.

Note: *When the Panel Lock is set to "On", TV can be turned off by pressing the power keys on the TV or the remote control, but can be turned on only by the remote control.*

Factory Default

Selecting **Factory Default** will reset all TV settings, including stored channels, to their original factory values.

1 Highlight the **Parental** in the **SETUP** menu, and press ► or OK to select.

2 Enter the 4-digit password.

3 Use ▲ or ▼ to highlight the **Factory Default** and press ► or OK to select.

Note: *After factory default is completed, the initial setup screen will appear.*

Programme Guide

The programme guide gives access to programme details for all available channels.

Guide

1 Select the on-screen guide by pressing GUIDE, the guide screen will appear highlighting details of the programme and event currently being viewed. This may take a few moments to appear.

2 Press ◄ or ► for information on other events scheduled for the programme selected.

3 For details of other programmes currently available, press ▲ and ▼ to scroll up and down the programme list.

Note: *In order for the recording operation to work properly, the media recorder must be set to the same time as the TV. Regarding the process for recording, please refer to the owner's manual of the recording equipment.*

EPG Timer

EPG (Electronic Programme Guide) supports 8 sets of timers. You can set or cancel a timer for a selected programme within the guide. When the TV is on and the timer activates, a dialogue box is shown informing you that the programme is about to start. When the TV is in standby mode and the timer activates, the TV will wake up with backlight off, speaker mute on, and change to the channel selected.

You must set the time correctly before using this function. All set timers are cleared when performing a new channel scan.

1 Press **OK** button to set/unset Timer in the selected programme.

2 The indicator will be shown in the detail information area if timer function is set.

3 Press **BLUE** button to enter the programme timer list page.

Note: *Time can be set manually in the Menu/Timer/Time OSD menu.*

After adjustment, the TV clock will not match the time in the EPG Programme Guide. The EPG Programme Guide time follows the broadcast stream time which can not be adjusted.

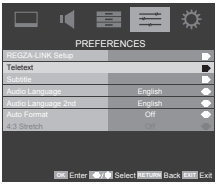
Text Services

This television has a multi-page text memory, which takes a few moments to load.

Setting the Language

You can set the teletext language.

1 In the **PREFEREN**CES menu, press ▼ to highlight **Teletext**, then press ► or OK to confirm.



2 Use ▲ and ▼ to select the options, and then use ◄ and ► to select the language.

Text Information

The first text page shown will be the index page.

Any text page can be accessed by entering the 3 digit page number using the numbered buttons, pressing the coloured buttons or pressing **P** ∧ to advance to the next page and **P** ∨ to go back to the previous page.

Control buttons

Below is a guide to the functions of the remote control text buttons.

To display the index/initial page:

Press to access the index/initial page. The one displayed is dependant on the broadcaster.

To reveal concealed text:

To discover the solutions on quiz and joke pages press the button.

To hold a wanted page:

At times it is convenient to hold a page of text. Press and will appear in the top of the screen. The page will be held on screen until the button is pressed again.

To enlarge the text display size:

Press once to enlarge the top half of the page, press again to enlarge the bottom half of the page. Press again to revert to normal size.

/ To toggle between Telextext and normal picture mode:

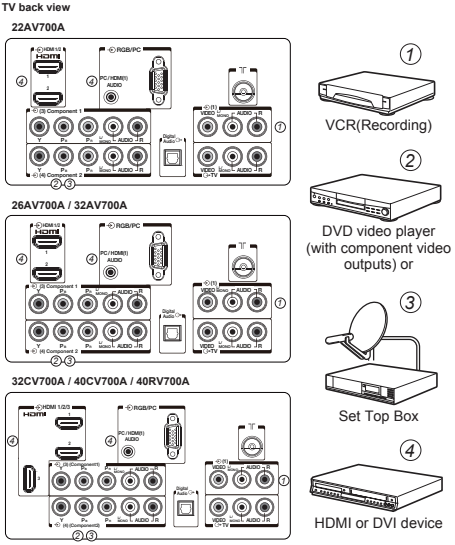
Enter the page number then press /, a normal picture will be displayed. The television will indicate when the page is present by displaying the page number at the top of the screen.

Sub page will be automatically displayed.

Back Connections

Connection example:

TV back view



- Before connecting any external equipment, turn off all main power switches. If there is no switch, remove the mains plug from the wall socket.
- The unauthorized recording of television programmes, DVDs, video tapes and other materials may infringe upon the provisions of copyright law.
- The **COMPONENT VIDEO INPUT** consists of three component video signals (**Y, P_B/C_B, P_R/C_R**) and provides the best picture performance. These terminals can only be used with the component video compatible equipment e.g. DVD video player, etc.
- Additional equipment and cables shown are not supplied with this TV.
- **TV OUTPUT**
  That will only support ATV/DTV signal to display out or by VCR TV signal recording use.

Connecting an audio system

You can enjoy high quality dynamic sound by connecting the TV to an audio system.

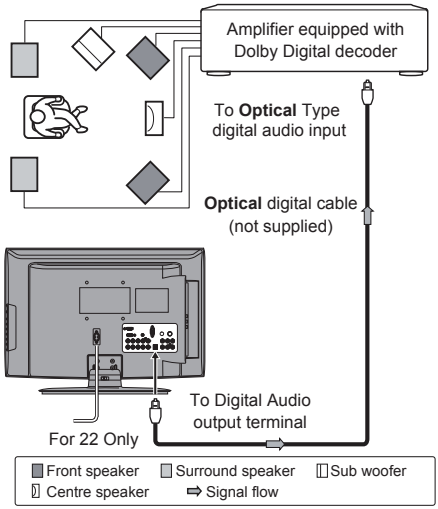
Notes:

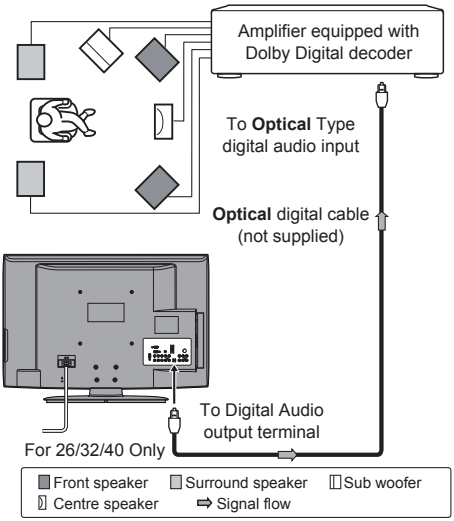
- *DO NOT connect the **DIGITAL AUDIO** output terminal to the AC-3 RF input of a Dolby Digital Receiver with a built-in Dolby Digital decoder.*
- *Connect the **DIGITAL AUDIO** output terminal to the **Optical** or **Coaxial** input of a Receiver or Processor.*
- *Refer to the owner's manual of the connected equipment as well.*
- *When you connect the TV to other equipment, be sure to turn off the power and unplug all of the equipment from the wall outlet before making any connections.*
- *The output sound of the TV has a wide dynamic range. Be sure to adjust the audio amplifier's volume to a moderate listening level before turning on the power. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.*
- *Turn off the amplifier before you connect or disconnect the TV's power cord. If you leave the amplifier power on, the speakers may be damaged.*

Warning:

*When you are connecting (via the **DIGITAL AUDIO** output terminal) an AV decoder that does not have Dolby Digital or MPEG decoding function, be sure to set **PCM** in **SPDIF Type** under **SOUND** menu. Otherwise, the speakers and your hearing may be damaged by a sudden high volume sound.*

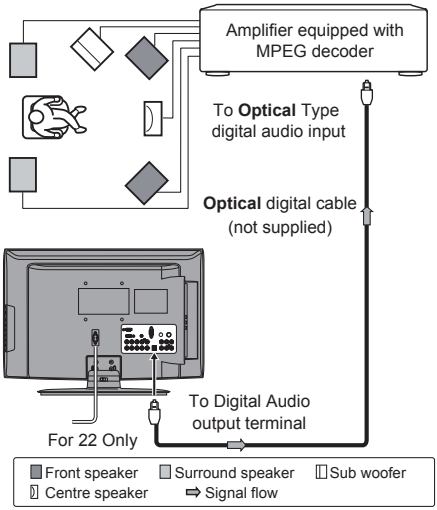
Connecting an amplifier equipped with a Dolby Digital decoder

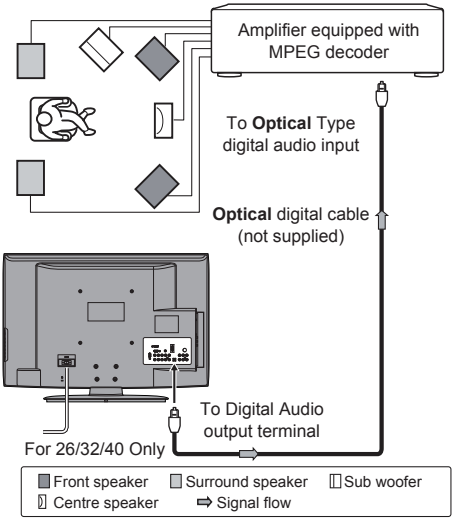




You can enjoy dynamic realistic sound by connecting the TV to an amplifier equipped with a Dolby Digital decoder or Dolby Digital processor. When using this setup, select **Dolby Digital** in Audio Mode.

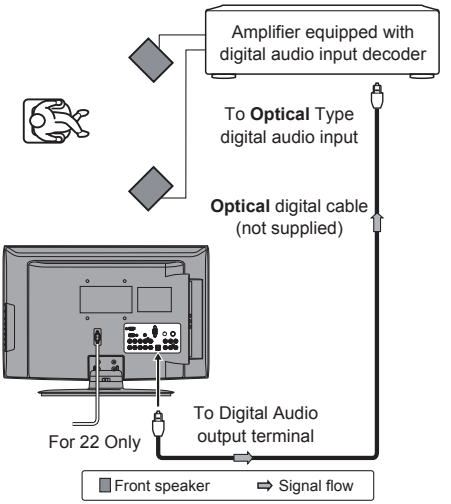
Connecting an amplifier equipped with an MPEG decoder

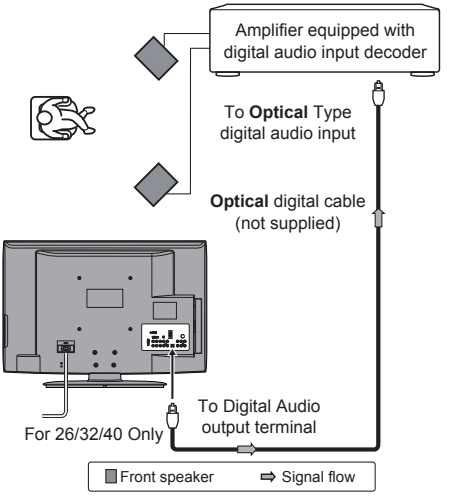




You can enjoy motion picture with dynamic realistic sound by connecting the TV to an amplifier equipped with an MPEG audio decoder or MPEG audio processor. When using this setup, select **MPEG** in Audio Mode.

Connecting an amplifier equipped with a digital audio (optical or coaxial) input

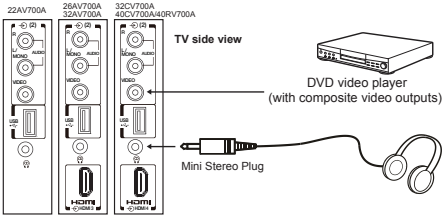

Amplifier equipped with digital audio input decoder
To **Optical** Type digital audio input
Optical digital cable (not supplied)
To Digital Audio output terminal
For 22 Only
Front speaker
Signal flow


Amplifier equipped with digital audio input decoder
To **Optical** Type digital audio input
Optical digital cable (not supplied)
To Digital Audio output terminal
For 26/32/40 Only
Front speaker
Signal flow

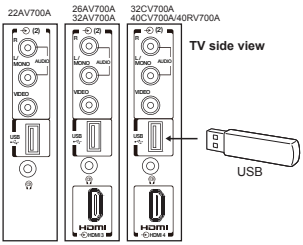
You can enjoy dynamic sound of 2-channel digital stereo by connecting the TV to an amplifier equipped with a digital audio (optical or coaxial) input and speaker system (right and left front speakers). When using this setup, select **PCM** in SPDIF Type under SOUND menu.

Side Connections

Connection example:



- The audio from the speaker will be muted when connecting the headphone to this terminal.



- Do not intentionally connect USB flash drive without any picture or audio file stored in it

Connecting an HDMI or a DVI device

- When turning on your electronic components, turn on the TV first, and then the HDMI or DVI device.
- When turning off your electronic components, turn off the HDMI or DVI device first, and then the TV.
- This TV may not be compatible with features and/or specifications that may be added in the future.
- Some early HDMI equipment may not work properly with your latest HDMI TV, due to the adoption of a new standard.
- This TV is only operable with L-PCM on 32/44. 1/48 kHz and 16/20/24 bits.

Connecting an HDMI or a DVI device

The HDMI input on your TV receives digital audio and uncompressed digital video from an HDMI device or uncompressed digital video from a DVI device.

This input is designed to accept HDCP programme material in digital from EIA/CEA-861/861B compliant consumer electronic devices (such as a set top box or DVD player with HDMI or DVI output).

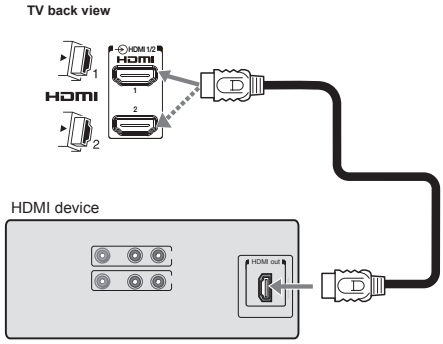
For acceptable video signal formats (☞ page 40).

The HDMI input is designed for best performance with 1080i high-definition video signals, but will also accept and display VGA, SVGA, XGA, WXGA, SXGA, 480i, 480p, 576i, 576p, 720p, and 1080p signals.

- **HDMI**: High-Definition Multimedia Interface
- **DVI**: Digital Video Interface
- **HDCP**: High-bandwidth Digital Content Protection
- EIA/CEA-861/861B compliance covers the transmission of uncompressed digital video with high-bandwidth digital content protection, which is being standardized for reception of high-definition video signals. Because this is an evolving technology, it is possible that some devices may not operate properly with the TV.
- **E-EDID**: Enhanced-Extended Display Identification Data
- **L-PCM**: Linear-Pulse Code Modulation

Connecting an HDMI device

One HDMI cable (type A connector)



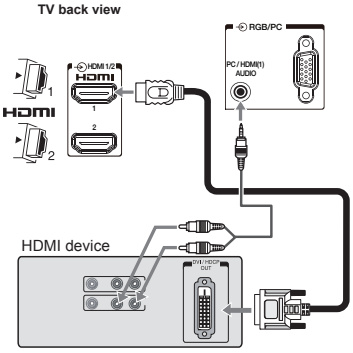
For proper operation, it is recommended that you use a short HDMI cable with the HDMI Logo (HDMI).

HDMI cable transfers both video and audio.

Note: *It is possible that some HDMI device may not operate properly with this TV.*

Connecting a DVI device

One HDMI(type A connector)-to DVI adapter cable and audio cables



HDMI (type A connector)-to-DVI adapter cable

For proper operation, the length of an HDMI-to-DVI adapter cable should not exceed 3m. The recommended length are 2 meters.

Standard analogue audio cables

An HDMI-to-DVI adapter cable transfers only video. Separate analogue audio cables are required.

When connecting a DVI device, please connect to the HDMI 1 port only.

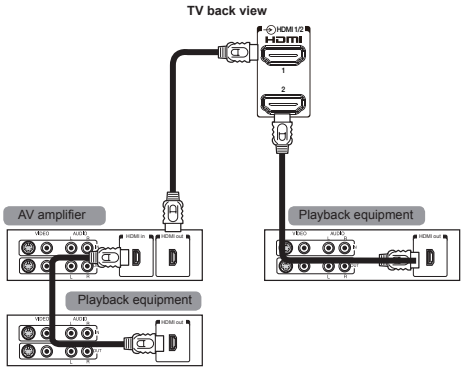
Note: *HDMI, the HDMI logo, and High-Definition Multimedia Interface are trademarks or registered trademarks of HDMI Licensing, LLC in the United States and other countries.*

REGZA-LINK Connections

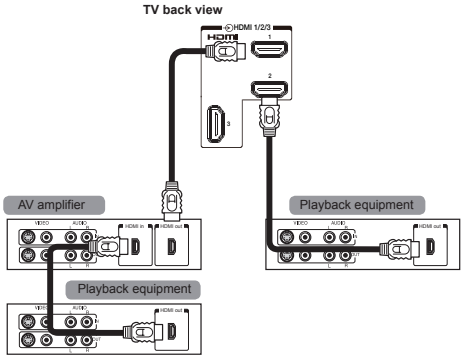
The basic functions of connected audio/video equipment can be controlled using the television's remote control if a REGZA-LINK compatible device is connected.

Connection example:

22AV700A/26AV700A/32AV700A



32CV700A/40CV700A/40RV700A

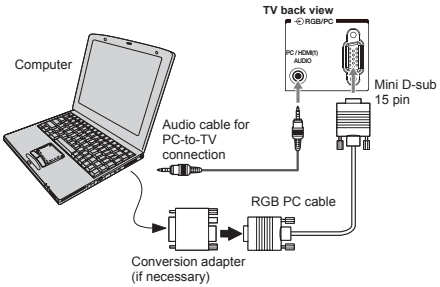


Notes:

- *It is recommended that for correct operation all audio/video devices are connected using **HDMI** cables branded with the **HDMI** logo (HDMI). If several devices are connected, the **REGZA-LINK** feature may not operate properly. After connecting the equipment use the **REGZA-LINK** menus to setup the desired options. The connected equipment must also be set. For details see the operation manual for each connected device.*
- *The **REGZA-LINK** feature uses **CEC** Technology as regulated by the **HDMI** standard. This feature is limited to models incorporating Toshiba's **REGZA-LINK.** However,Toshiba is not liable for those operations. Refer to individual instruction manuals for compatibility information.*

Connecting a computer

An analogue RGB (15 pin) computer cable can be connected.



Connect a PC cable from the computer to the **RGB/PC** terminal on the back of the TV.

For acceptable PC signal formats (☞ page 40).

However, these signal formats are converted to match the number of pixels of the LCD panel.

Therefore, the TV may not display small text properly.

If you connect this unit to your PC, the compressed image is displayed in S-XGA mode, therefore the picture quality may deteriorate and characters may not be read.

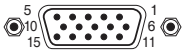
Notes:

- *Some PC models cannot be connected to this TV.*
- *There is no need to use an adapter for computers with DOS/ V compatible mini D-sub 15 pin terminal.*
- *A bar may appear in the upper, lower, right or left side of the screen, or parts of the picture may be obscured depending on some signals. This is not the malfunction.*
- *If the edges of the picture are stretched, readjust the picture position adjustments in the **PC** of **PICTURE** menu.*

- *Depending on the specification of the PC you are playing the DVD-Video on, and the DVD's title, some scenes may be skipped, or you may not be able to pause during multi-angle scenes.*

Signal names for mini D-sub 15 pin connector

Pin assignment for RGB/PC terminal



Pin No.	Signal name	Pin No.	Signal name
1	R	9	VGA-5V
2	G	10	Ground
3	B	11	NC (not connected)
4	NC (not connected)	12	VGA-SDA
5	NC (not connected)	13	H-sync
6	Ground	14	V-sync
7	Ground	15	VGA-SCL
8	Ground		

Using the PC setting

- First press ⊕ to display the video input source list, then press ▲ or ▼ and OK in order to select the PC input mode (☞ page 27).
- This function may not be available for some signal or if no signal is received.
- The optimum points of the clock phase and sampling clock adjustments may be incomprehensible according to the input signals.

Adjusting the picture settings

1 Press MENU and use ◄ or ► to select **PICTURE.**

2 Use ▲ and ▼ to select **PC** and press ► or OK .

3 Use ▲ or ▼ to select an option and press ◄ or ► to adjust the setting as required.

PC of the Auto Adjust

Adjust Horizontal Position, Vertical Position, Horizontal Clock, and Clock Phase automatically. Depending on the type of the signal, there is a possibility that the display may not be adjusted in its optimum condition with this function. In that case, please adjust each item manually.

1 Press MENU and use ◄ or ► to select **PICTURE**.

2 Use ▲ and ▼ to select **PC** and press ► or OK .

3 Use ▼ to highlight **Auto Adjust** and press OK .

Acceptable Video signals through HDMI terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
480i	720 x 480i	60.000Hz	15.734kHz	27.000MHz
480p	720 x 480p	60.000Hz	31.500kHz	27.000MHz / 27.030MHz
576i	720 x 576i	50.000Hz	15.625kHz	27.000MHz
576p	720 x 576p	50.000Hz	31.250kHz	54.000MHz
720p	1280 x 720p	50.000Hz	37.500kHz	74.250MHz
720p	1280 x 720p	59.940Hz / 60.000Hz	44.960kHz / 45.000kHz	74.170MHz / 74.250MHz
1080i	1920 x 1080i	59.940Hz / 60.000Hz	33.720kHz / 33.750kHz	74.170MHz / 74.250MHz
1080i	1920 x 1080i	50.000Hz	28.125kHz	74.250MHz
1080p	1920 x 1080p	50.000Hz	56.250kHz	148.500MHz
1080p	1920 x 1080p	59.940Hz / 60.000Hz	67.430kHz / 67.500kHz	148.350MHz / 148.500MHz

Acceptable PC signals through HDMI/D-SUB terminals

Format	Resolution	V. Frequency	H. Frequency	Pixel Clock Frequency
VGA	640x480	59.940Hz	31.469kHz	25.175MHz
VGA	640x480	72.809Hz	37.861kHz	31.500MHz
VGA	640x480	75.000Hz	37.500kHz	31.500MHz
VGA	720x400	70.087Hz	31.469kHz	28.322MHz
SVGA	800x600	56.250Hz	35.156kHz	36.000MHz
SVGA	800x600	60.317Hz	37.879kHz	40.000MHz
SVGA	800x600	72.188Hz	48.077kHz	50.000MHz
SVGA	800x600	75.000Hz	46.875kHz	49.500MHz
XGA	1024x768	60.004Hz	48.363kHz	65.000MHz
XGA	1024x768	70.069Hz	56.476kHz	75.000MHz
XGA	1024x768	75.029Hz	60.023kHz	78.750MHz
WXGA	1280x768	59.870Hz	47.776kHz	79.500MHz
WXGA	1360x768	60.015Hz	47.712kHz	85.500MHz
SXGA	1280x1024	60.020Hz	63.981kHz	108.000MHz

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Note: *For PC input, only the supported PC signal displays the correct resolution on TV display.*

Troubleshooting

Before calling a service technician, please check the following table for a possible cause of the symptom and some solutions.

Symptom and solution

TV will not turn on
- Make sure the power cord is plugged in, then press ⏻/❙ or ⏻.
- The remote control batteries may be dead. Replace the batteries.

No picture, no sound
- Check the antenna connections.

No sound, picture OK
- The sound may be muted. Press ◿+,◿ – or 🔇.
- The station may have broadcast difficulties. Try another channel.

Poor sound, picture OK
- The station may have broadcast difficulties. Try another channel.

Poor picture, sound OK
- Check the antenna connections.
- The station may have broadcast difficulties. Try another channel.
- Adjust the **PICTURE** menu.

Poor reception of broadcast channels
- Check the antenna connections.
- The station may have broadcast difficulties. Try another channel.
- Make sure the Colour system is properly set.

Teletext problems
- Check the antenna connections. Good performance of text depends on a good strong broadcast signal.

Multiple images
- The station may have broadcast difficulties. Try another channel.
- Antenna reception may be poor. Use a high directional outdoor antenna.
- Check if the direction of the antenna has changed.

Poor Colour or no Colour
- The station may have broadcast difficulties. Try another channel.
- Adjust the **Tint** and/or **Colour** in the **PICTURE** menu.

The remote control does not operate
- Remove all obstructions between the remote control and the remote control sensor on the TV.
- The remote control batteries may be dead. Replace them with new ones.

Some pixels of the screen do not light up
- The LCD display panel is manufactured using an extremely high level of precision technology, however, sometimes some pixels of the screen may be missing picture elements or have luminous spots. This is not a sign of a malfunction.

The picture brightness varies when you switch the TV on.
- If you switch the TV on at 0°C and under, wait until the warms up.

The brightness of the screen comes down, or flickers of the screen are caused, or some parts of the screen do not light up.
- When you just buy and start to use this TV, a flickering may be caused in the screen. In this case, switch off the TV, then switch on it again to cure the condition.
- The cold cathode fluorescent lamp used for the back light on this TV has longevity. When the brightness of the screen comes down, or the flickers of the screen are caused, or some parts of the screen do not light up, it may reach the end of its life. Contact a service technician.

Symptom and solution - digital only -

Poor picture
- Check the antenna connections. Make sure it is aligned to the correct broadcast direction.
- Check the signal level and quality in the **Manual Scan** menu.
- If you use any kind of amplifier to boost the signal level, check whether it works well, and ask for help from the antenna installer.

No picture
- Use the **Manual Scan** menu to rescan this channel.
- Try another channel.
- Reduce **RF** amplifier gain if connected to **RF** booster.

No sound from DIGITAL AUDIO
- The sound may be muted. Press ◿+,◿ – or 🔇.
- Make sure the TV is adjusted to the correct **Audio Track**.
- Use the **Manual Scan** menu to rescan this channel.
- Try another channel.

Not all channels are available after using the Auto Scan when tuning the TV for the first time.
- This symptom is caused by unexpected frequency offset.
- The **Analogue Channel Fine Tune** menu to scan for the missing channels. The TV scan receive these channels by the **Auto Scan** menu most of the time, but we suggest that you use the menu when tuning the TV for the first time. Once the TV picks up the signal, all the transmission parameters will be stored in the internal memory.

Cannot lock signal by using Manual Scan

- Check the frequency that you have entered is exactly the Middle frequency of the wanted channel.
- Refer to the solutions for “Poor picture”.

No Teletext, no Subtitle

- Make sure the channel that you are watching carries Teletext/Subtitle information from i+.

Cannot receive channels after moving the TV between cities (e.g. from Melbourne to Sydney)

- Refer to page 17 to reset data.

Weak signal appears on one channel but not the other, but these channels have the same logical number

- Please make sure that you do not keep duplicate channels (i.e. channels with the same logical channel number but different physical numbers, see page 16). If you do, please delete the duplicate ones and keep only one channel with the best signal strength.

Programme Timer and Alarm do not operate properly.

- Check the antenna connections.
- Weak signal may cause inaccurate time information.

Specifications

Integrated Digital LCD TV

Model

22AV700A, 26AV700A, 32AV700A, 32CV700A, 40CV700A, 40RV700A

Power source

220 - 240 V AC, 50 Hz

Power consumption

22AV700A: 55 W
26AV700A: 90 W
32AV700A, 32CV700A: 120 W
40CV700A, 40RV700A: 200 W

Standby (approx.)

0.5W

Dimensions

22AV700A: 40.9cm(H) 55.6cm(W) 21.2cm(D)
26AV700A: 47.5cm(H) 66.6cm(W) 26.6cm(D)
32AV700A, 32CV700A: 57.9cm(H) 79.9cm(W) 27.2cm(D)
40CV700A, 40RV700A: 70.3cm(H) 99.3cm(W) 28.3cm(D)

Mass (Weight)

22AV700A: 6.0 kg
26AV700A: 8.5 kg
32AV700A, 32CV700A: 11.5 kg
40CV700A, 40RV700A: 18.5 kg

Analogue TV system (Antenna input)

Channel coverage:

PAL	B/G	(CCIR)	VHF	0 - 12
			UHF	27 - 69
			CATV	C2, C10, C31, S2 - S44

Digital TV System

Compliant Standard DVB-T
Video Decoding MP @ ML & MP @ HL
Audio Decoding Dolby® Digital, MPEG (I & II)
Audio Sampling Rate 32, 44.1, 48 kHz

Digital TV Terrestrial Tuner / Demodulator

Frequency 51~858 MHz
Loop Through 51~858 MHz
Bandwidth 7 MHz
Demodulator COFDM
FFT Mode 8 K
Constellation QPSK, 64 QAM
Guard Interval 1/8, 1/16
Inner Coding Rate 2/3, 3/4

COMPONENT VIDEO INPUT terminals (the signal format)

480i, 480p, 576i, 576p, 720p (50/60 Hz), 1080i, 1080p (50/60 Hz) (These signal formats are converted to match the number of pixels of the LCD panel.)

Composite Colour system (analogue TV system)

PAL, SECAM, NTSC 3.58/4.43

Aspect ratio

16 : 9

Visible size (diagonal)

22AV700A: 54.8cm
26AV700A: 66.1cm
32AV700A, 32CV700A: 80.0cm
40CV700A, 40RV700A: 101.6cm

Number of pixels

22AV700A, 26AV700A, 32AV700A: 1366(H) x 768(V) dots
32CV700A, 40CV700A, 40RV700A: 1920(H) x 1080(V) dots

Sound output (at 10 % distortion)

22AV700A: 3W + 3W
26AV700A: 5W + 5W
32AV700A, 32CV700A, 40CV700A, 40RV700A: 10W + 10W

Headphone jack

R3.5mm stereo

Input/Output terminals

TV	Input 75 Ω RF Input	
(1)	Input RCA Composite Video Audio: RCA	 CVBS L/Mono+R
(2)	Input RCA Composite Video Audio: RCA	 CVBS L/Mono+R
(3)	Input RCA Component Video Audio: RCA	 Y, P_B/C_B, P_R/C_R L/Mono+R
(4)	Input RCA Component Video Audio: RCA	 Y, P_B/C_B, P_R/C_R L/Mono+R
HDMI 1	Input(type A) 19 pin	 A/V Digital
HDMI 2	Input(type A) 19 pin	 A/V Digital
HDMI 3	Input(type A) 19 pin	 A/V Digital
HDMI 4	Input(type A) 19 pin	 A/V Digital
RGB/PC	Input Mini D-sub 15 pin Analogue	 RGB Audio: 3.5mm
USB	Input	USB 2.0
TV	Output(RCA video output) Audio out RCA(L/Mono+R)	
Digital Audio (optical)	Output Bitstream/PCM	
Headphone jack	3.5mm (Diameter) stereo	

Operating condition

Temperature 5°C - 35°C
Humidity 20% - 80% (No moisture condensation)

Supplied accessories

Owner's manual (1), Remote control (1), Batteries (2), Power cord (1)

- Design and specifications are subject to change without notice.
- Never service or remodel the TV by yourself. It may expose you to a fire hazard or dangerous voltages.

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ICU	Exhibit B

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